VGW1

VHF GUITAR WIRELESS SYSTEM

Item ref: 171.848UK

User Manual

⚠	Caution: Please read this manual carefully before operating Damage caused by misuse is not covered by the warranty

Introduction

Thank you for choosing the Chord VGW1 guitar wireless system. This professional wireless set provides a high quality VHF guitar system for freedom of movement without loss of audio quality. Please read this manual before using this equipment in order to avoid damage through incorrect operation and to get the best performance from your purchase.

Contents:

Please take care when unpacking this product. Inspect for any damage and ensure you have the following components…

- VHF wireless receiver
- Mains power adaptor
- 6.3mm mono output jack lead
- 9V battery, PP3
- 6.3mm to 3.5mm guitar to bodypack lead

Warning

To prevent the risk of fire or electric shock, do not expose any of the components to rain or moisture.
If liquids are spilled on any component, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use.
Avoid impact or heavy vibration to any of the components.
No user serviceable parts inside transmitter or receiver - refer servicing to qualified service personnel.

Safety

- Use the power adaptor supplied or an appropriate replacement with the same specification.
- Avoid ingress of water or particles into the transmitter or receiver
- Use alkaline or NiMH batteries in the transmitter and remove if unused for long periods.
- Observe the correct polarity when replacing batteries

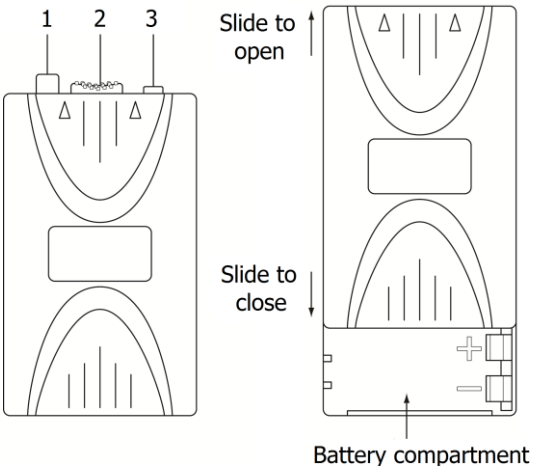
Placement

- Keep all components out of direct sunlight and away from heat sources.
- Do not place heavy objects on top of the receiver or transmitter
- If rack-mounting, secure the receiver to a 1U rack tray and do not place heavy equipment above the receiver.
- Keep the transmitter and receiver away from damp or dusty environments.

Cleaning

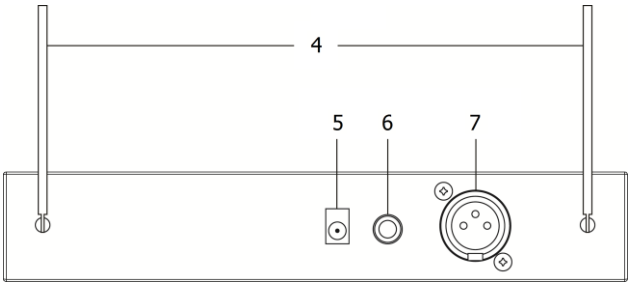
- Use a soft cloth with a neutral detergent to clean the body of the transmitter and receiver.
- To avoid damage, do not use solvents to clean the components

Bodypack Transmitter



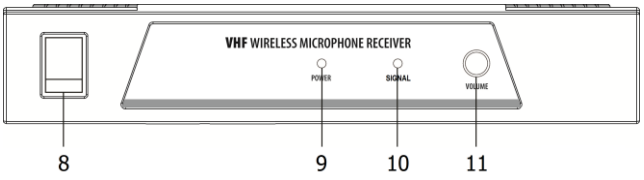
1. Gain control
2. Off/Mute/On switch
3. 3.5mm jack socket

Receiver Rear Panel



4. Antennas
5. D.C. power inlet
6. 6.3mm jack output
7. XLRM output

Receiver Front Panel



8. Power On/Off switch
9. Power indicator
10. Signal indicator
11. Volume control

Operation

Slide the front half of the bodypack upwards just enough to reveal the battery compartment and position the supplied 9V battery inside (ensure + and - are the correct way round) and then slide back together as before. Connect the 6.3mm to 3.5mm jack lead between the guitar and the bodypack transmitter input(3)

Position the receiver within the best available line of sight to the transmitter and connect the DC jack of the supplied power adaptor to the receiver and then plug into the mains outlet. Extend both antennas (4) fully upwards and outwards slightly, turn the volume control (11) down on the receiver and switch the power on (8).

Turn down the volume of any equipment (mixer, amplifier etc.) that the signal will be fed into and then connect the jack lead or an XLR lead (optional) from the receiver output (6, 7) to the input of the equipment.
Move the switch on the bodypack transmitter (2) to the first notch (MUTE) – the LED should light momentarily (continuous dim LED indicates low battery). Move on another notch (ON) and gradually increase the volume control (1) on the receiver, then increase the volume on the mixer or amplifier until the sound from the microphone can be heard through the equipment.

During use, it may be useful for the reception of the guitar to be muted for a short period of time (e.g. when tuning or adjusting settings). In these circumstances, it may be better to move the transmitter switch to the "MUTE" position, which maintains the radio frequency carrier signal but mutes the guitar input. When this switch is moved back to the "ON" position, the sound will be immediately restored.

If the wireless system is not to be used for more than a few seconds, it is preferable to slide the transmitter switch to the "OFF" position, which mutes and deactivates the radio signal and powers down the transmitter. Be sure to turn down the volume of the mixer or amplifier and then switch off the receiver. Unplug signal leads from the receiver and mixer or amplifier when moving or packing away.

If the system is not to be used for long periods of time, remove the batteries from the transmitter and unplug the power adaptor from the receiver and the mains outlet. Retracting the antennas is also advised when the system is not in use.

Specifications

Carrier type	VHF 174.1MHz
Frequency stability	±0.005%
Maximum deviation	±30kHz
Audio frequency response	40Hz – 20kHz
Signal to noise ratio	>85dB
Audio dynamic range	>80dB
T.H.D.	≤0.2%
Maximum range	50m
Operating temperature	-10ºC to +50ºC
Power supply - receiver	10Vac 250mA (mains adaptor supplied)
Audio outputs - receiver	XLRM, 6.3mm jack
Dimensions - receiver	43 x 213 x 180mm
Weight - receiver	340g
Battery - transmitter	9Vdc, PP3
Connector - transmitter	3.5mm mono jack
RF emission - transmitter	<10mW
Dimensions - transmitter	105 x 60 x 30mm
Weight (without battery) - transmitter	77g

Troubleshooting

"POWER" LED does not light on receiver	Ensure power adaptor is connected to the mains and working properly
	Ensure the receiver is switched on
"POWER" LED is lit but no "SIGNAL" LED	Ensure the transmitter is switched on
	Check that the transmitter is not out of reception range
	Check that the transmitter battery is good / charged
LEDs are lit but no sound from microphone	Check if the transmitter switch is in "MUTE" position
	Check if the guitar lead is connected to the bodypack
	Make sure the receiver is properly connected to the mixer / amplifier
	Make sure that the amplifier / mixer channel volume is turned up
	Ensure that the transmitter has a good / charged battery
	Check if there is another nearby transmitter with the same frequency
Microphone output is very loud or distorted	Turn down GAIN ADJUST on the bodypack transmitter
	Turn down VOLUME on the receiver
	Reduce Gain on the the mixer / amplifier
	Ensure that the XLR output is not fed to a Line input
Microphone output is very low	Turn up GAIN ADJUST on the bodypack transmitter
	Turn up VOLUME on the the receiver
	Increase Gain on the mixer / amplifier
	Ensure that the jack output is not fed to a microphone input
	Check the transmitter battery is good / fully charged

CE 1622

Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

Errors and omissions excepted.
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